U.S. Application No. 10/604,726 Filling Date 13, 2003 First Inventor Itzhak Bentwich Art Unit 1631 Examiner DEJONG, ERIC S Docket Number 59992,0200, CNUS05

		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials		Authors, Title, Journal, Date, Year, Pages, Volume
	20	LEE, R. C., R. L. FEINBAUM and V. AMBROS. The C. elegans heterochronic gene lin-4 encodes small
		RNAs with antisense complementarity to lin-14 Cell Dec 3 1993 843-854 75
	30	WIGHTMAN, B., I. HA and G. RUVKUN. Posttranscriptional regulation of the heterochronic gene lin-14
		by lin-4 mediates temporal pattern formation in C. elegans Cell Dec 3 1993 855-862 75
	40	GALLINARO, H., L. DOMENJOUD and M. JACOB. Structural study of the 5' end of a synthetic
		premessenger RNA from adenovirus. Evidence for a long-range exon-intron interaction J Mol Biol Jul
		15 1994 205-225 240
	50	LU, C. and R. BABLANIAN. Characterization of small nontranslated polyadenylylated RNAs in vaccinia
		virus-infected cells Proc Natl Acad Sci U S A Mar 5 1996 2037-2042 93
	60	CRAWFORD, E. D., E. P. DEANTONI, R. ETZIONI, V. C. SCHAEFER, R. M. OLSON and C. A. ROSS.
		Serum prostate-specific antigen and digital rectal examination for early detection of prostate cancer in a
		national community-based program. The Prostate Cancer Education Council Urology Jun 1996 863-
		869 47
	70	Engdahl HM, Hjalt TA, Wagner EG. A two unit antisense RNA cassette test system for silencing of
		target genes. Nucleic Acids Res. Aug 15 1997 3218-27 25
	90	DSOUZA, M., N. LARSEN and R. OVERBEEK. Searching for patterns in genomic data. Trends Genet
		Dec 1997 497-498 13
	100	MOSS, E. G., R. C. LEE and V. AMBROS. The cold shock domain protein LIN-28 controls
		developmental timing in C. elegans and is regulated by the lin-4 RNA Cell 1997 637 88
	110	FIRE, A., S. XU, M. K. MONTGOMERY, S. A. KOSTAS, S. E. DRIVER and C. C. MELLO. Potent and
		specific genetic interference by double-stranded RNA in Caenorhabditis elegans. Nature. Feb 19 1998
		806-811 391
	120	WATERHOUSE, P. M., M. W. GRAHAM and M. B. WANG. Virus resistance and gene silencing in
		plants can be induced by simultaneous expression of sense and antisense RNA Proc Natl Acad Sci U S
		A Nov 10 1998 13959-13964 95
	130	NGO, H., C. TSCHUDI, K. GULL and E. ULLU. Double-stranded RNA induces mRNA degradation in
	140	Trypanosoma brucei Proc Natl Acad Sci U S A Dec 8 1998 14687-14692 95
	140	VERMA, S. and F. ECKSTEIN. Modified oligonucleotides: synthesis and strategy for users. Annu Rev
		Biochem ***No date in Pubmed*** 1998 99-134 67
	150	WUCHTY, S., W. FONTANA, I. L. HOFACKER and P. SCHUSTER. Complete suboptimal folding of
	160	RNA and the stability of secondary structures Biopolymers Feb 1999 145-165 49  MATHEWS, D. H., J. SABINA, M. ZUKER and D. H. TURNER. Expanded sequence dependence of
	160	thermodynamic parameters improves prediction of RNA secondary structure J Mol Biol May 21 1999
		911-940 288
<b>—</b>	170	CHANG, P. L. Encapsulation for somatic gene therapy. Ann N Y Acad Sci. Jun 18 1999 146-158 875
	180	ZHANG, M. Q. Large-scale gene expression data analysis: a new challenge to computational biologists
		Genome Res Aug 1999 681-688 9
	190	GRISARU, D., M. STERNFELD, A. ELDOR, D. GLICK and H. SOREQ. Structural roles of
		acetylcholinesterase variants in biology and pathology Eur J Biochem Sep 1999 672-686 264
	200	FIRE, A. RNA-triggered gene silencing Trends Genet Sep 1999 358-363 15
	210	TABARA, H., M. SARKISSIAN, W. G. KELLY, J. FLEENOR, A. GRISHOK, L. TIMMONS, A. FIRE and
		C. C. MELLO. The rde-1 gene, RNA interference, and transposon silencing in C. elegans Cell Oct 15
		1999 123-132 99

Examiner Signature:	Date Considered:

U.S. Application No. 10/604,728 Filling Date ITst Inventor Itzhak Bentwich Art Unit 1631 Examiner DEJONG, ERIC S Docket Number 59992,0200, CNUS05

Examiner Signature:

### Information Disclosure Statement

		Information Disclosure Statement
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No#	Authors, Title, Journal, Date, Year, Pages, Volume
	220	RYO, A., Y. SUZUKI, K. ICHIYAMA, T. WAKATSUKI, N. KONDOH, A. HADA, M. YAMAMOTO and N.
		YAMAMOTO, Serial analysis of gene expression in HIV-1-infected T cell lines FEBS Lett Nov 26
		1999 182-186 462
	230	OLSEN, P. H. and V. AMBROS. The lin-4 regulatory RNA controls developmental timing in
		Caenorhabditis elegans by blocking LIN-14 protein synthesis after the initiation of translation Dev Biol
		Dec 15 1999 671-680 216
	240	TUSCHL, T., P. D. ZAMORE, R. LEHMANN, D. P. BARTEL and P. A. SHARP. Targeted mRNA
		degradation by double-stranded RNA in vitro Genes Dev Dec 15 1999 3191-3197 13
	260	REINHART, B. J., F. J. SLACK, M. BASSON, A. E. PASQUINELLI, J. C. BETTINGER, A. E. ROUGVIE
		H. R. HORVITZ and G. RUVKUN. The 21-nucleotide let-7 RNA regulates developmental timing in
		Caenorhabditis elegans Nature Feb 24 2000 901-906 403
	270	PITT, J. N., J. A. SCHISA and J. R. PRIESS. P granules in the germ cells of Caenorhabditis elegans
		adults are associated with clusters of nuclear pores and contain RNA Dev Biol Mar 15 2000 315-33:
		219
	280	HAMMOND, S. M., E. BERNSTEIN, D. BEACH and G. J. HANNON, An RNA-directed nuclease
		mediates post-transcriptional gene silencing in Drosophila cells Nature Mar 16 2000 293-296 404
	300	SLACK, F. J., M. BASSON, Z. LIU, V. AMBROS, H. R. HORVITZ and G. RUVKUN. The lin-41 RBCC
		gene acts in the C. elegans heterochronic pathway between the let-7 regulatory RNA and the LIN-29
		transcription factor Mol Cell Apr 2000 659-669 5
	310	FORTIER, E. and J. M. BELOTE. Temperature-dependent gene silencing by an expressed inverted
		repeat in Drosophila Genesis Apr 2000 240-244 26
	320	MOURRAIN, P., C. BECLIN, T. ELMAYAN, F. FEUERBACH, C. GODON, J. B. MOREL, D. JOUETTE,
		A. M. LACOMBE, S. NIKIC, N. PICAULT, K. REMOUE, M. SANIAL, T. A. VO and H. VAUCHERET.
		Arabidopsis SGS2 and SGS3 genes are required for posttranscriptional gene silencing and natural virus
		resistance Cell May 26 2000 533-542 101
	330	SIJEN, T. and J. M. KOOTER. Post-transcriptional gene-silencing: RNAs on the attack or on the
		defense? Bioessays Jun 2000 520-531 22
	340	BRENNER, S., M. JOHNSON, J. BRIDGHAM, G. GOLDA, D. H. LLOYD, D. JOHNSON, S. LUO, S.
		MCCURDY, M. FOY, M. EWAN, R. ROTH, D. GEORGE, S. ELETR, G. ALBRECHT, E. VERMAAS, S.
		R. WILLIAMS, K. MOON, T. BURCHAM, M. PALLAS, R. B. DUBRIDGE, J. KIRCHNER, K. FEARON, J
		MAO and K. CORCORAN. Gene expression analysis by massively parallel signature sequencing
		(MPSS) on microbead arrays Nat Biotechnol Jun 2000 630-634 18
	350	RYO, A., Y. SUZUKI, M. ARAI, N. KONDOH, T. WAKATSUKI, A. HADA, M. SHUDA, K. TANAKA, C.
		SATO, M. YAMAMOTO and N. YAMAMOTO. Identification and characterization of differentially
		expressed mRNAs in HIV type 1-infected human T cells AIDS Res Hum Retroviruses Jul 1 2000 99
		1005 16
	360	NILSSON, M., G. BARBANY, D. O. ANTSON, K. GERTOW and U. LANDEGREN. Enhanced detection
		and distinction of RNA by enzymatic probe ligation. Nat Biotechnol. Jul. 2000. 791-793. 18
	370	KENT, W. J. and A. M. ZAHLER. Conservation, regulation, synteny, and introns in a large-scale C.
		briggsae-C. elegans genomic alignment Genome Res Aug 2000 1115-1125 10
	380	KENNERDELL, J. R. and R. W. CARTHEW. Heritable gene silencing in Drosophila using double-
		stranded RNA Nat Biotechnol Aug 2000 896-898 18
	390	SMITH, N. A., S. P. SINGH, M. B. WANG, P. A. STOUTJESDIJK, A. G. GREEN and P. M.
		WATERHOUSE. Total silencing by intron-spliced hairpin RNAs Nature Sep 21 2000 319-320 407

U.S. Application No.
Filling Date
First Inventor
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Examiner
DEJONG, ERIC S
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		information disclosure Statement
		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No#	Authors, Title, Journal, Date, Year, Pages, Volume
	410	VOINNET, O., C. LEDERER and D. C. BAULCOMBE. A viral movement protein prevents spread of the
		gene silencing signal in Nicotiana benthamiana Cell Sep 29 2000 157-167 103
	420	Mette MF, Aufsatz W, van der Winden J, Matzke MA, Matzke AJ. Transcriptional silencing and promote
		methylation triggered by double-stranded RNA. EMBO J. Oct 2 2000 5194-201 19
	430	YANG, D., H. LU and J. W. ERICKSON. Evidence that processed small dsRNAs may mediate
		sequence-specific mRNA degradation during RNAi in Drosophila embryos Curr Biol Oct 5 2000 119
		1200 10
	440	ANANDALAKSHMI, R., R. MARATHE, X. GE, J. M. HERR, JR., C. MAU, A. MALLORY, G. PRUSS, L.
		BOWMAN and V. B. VANCE. A calmodulin-related protein that suppresses posttranscriptional gene
		silencing in plants Science Oct 6 2000 142-144 290
	450	FAGARD, M., S. BOUTET, J. B. MOREL, C. BELLINI and H. VAUCHERET. AGO1, QDE-2, and RDE-1
		are related proteins required for post-transcriptional gene silencing in plants, quelling in fungi, and RNA
		interference in animals Proc Natl Acad Sci U S A Oct 10 2000 11650-11654 97
	460	PASQUINELLI, A. E., B. J. REINHART, F. SLACK, M. Q. MARTINDALE, M. I. KURODA, B. MALLER.
		D. C. HAYWARD, E. E. BALL, B. DEGNAN, P. MULLER, J. SPRING, A. SRINIVASAN, M. FISHMAN, J.
		FINNERTY, J. CORBO, M. LEVINE, P. LEAHY, E. DAVIDSON and G. RUVKUN. Conservation of the
		sequence and temporal expression of let-7 heterochronic regulatory RNA Nature Nov 2 2000 86-89
		408
	470	LLAVE, C., K. D. KASSCHAU and J. C. CARRINGTON. Virus-encoded suppressor of
		posttranscriptional gene silencing targets a maintenance step in the silencing pathway Proc Natl Acad
		Sci U S A Nov 21 2000 13401-13406 9
	480	COGONI, C. and G. MACINO. Post-transcriptional gene silencing across kingdoms. Curr Opin Genet
		Dev Dec 2000 638-643 10
	500	ELBASHIR, S. M., W. LENDECKEL and T. TUSCHL. RNA interference is mediated by 21- and 22-
		nucleotide RNAs Genes Dev Jan 15 2001 188-200 15
	510	BERNSTEIN, E., A. A. CAUDY, S. M. HAMMOND and G. J. HANNON. Role for a bidentate
		ribonuclease in the initiation step of RNA interference. Nature. Jan 18 2001 363-366 409
	520	VAUCHERET, H. and M. FAGARD. Transcriptional gene silencing in plants: targets, inducers and
		regulators Trends Genet Jan 2001 29-35 17
	540	THOMAS, C. L., L. JONES, D. C. BAULCOMBE and A. J. MAULE. Size constraints for targeting post-
		transcriptional gene silencing and for RNA-directed methylation in Nicotiana benthamiana using a potato
		virus X vector Plant J Feb 2001 417-425 25
	550	GALYAM, N., D. GRISARU, M. GRIFMAN, N. MELAMED-BOOK, F. ECKSTEIN, S. SEIDMAN, A.
		ELDOR and H. SOREQ. Complex host cell responses to antisense suppression of ACHE gene
		expression Antisense Nucleic Acid Drug Dev Feb 2001 51-57 11
	560 570	SHARP, P. A. RNA interference—2001 Genes Dev Mar 1 2001 485-490 15 MALLORY, A. C., L. ELY, T. H. SMITH, R. MARATHE, R. ANANDALAKSHMI, M. FAGARD, H.
	5/0	WALLOHY, A. C., L. ELY, T. H. SMITH, H. MAHATHE, H. ANANDALAKSHMI, M. FAGARD, H. IVAUCHERET, G. PRUSS, L. BOWMAN and V. B. VANCE. HC-Pro suppression of transgene silencing
		eliminates the small RNAs but not transgene methylation or the mobile signal. Plant Cell. Mar. 2001
		571-583 13
	590	MATZKE, M. A., A. J. MATZKE, G. J. PRUSS and V. B. VANCE. RNA-based silencing strategies in
	390	plants Curr Opin Genet Dev Apr 2001 221-227 11
	600	SCHISA, J. A., J. N. PITT and J. R. PRIESS. Analysis of RNA associated with P granules in germ cells
	500	of C. elegans adults. Development. Apr. 2001. 1287-1298. 128

Examiner Signature:	Date Considered:

 U.S. Application No.
 10/604,726

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 050992,0200,CNUS05

Examiner Signature: \_\_\_\_\_

## Information Disclosure Statement

		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No#	Authors, Title, Journal, Date, Year, Pages, Volume
	610	DI SERIO, F., H. SCHOB, A. IGLESIAS, C. TARINA, E. BOULDOIRES and F. MEINS, JR. Sense- and
		antisense-mediated gene silencing in tobacco is inhibited by the same viral suppressors and is
		associated with accumulation of small RNAs Proc Natl Acad Sci U S A May 22 2001 6506-6510 98
	620	ELBASHIR, S. M., J. HARBORTH, W. LENDECKEL, A. YALCIN, K. WEBER and T. TUSCHL.  Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells. Nature. May
		24 2001 494-498 411
	630	PICCIN, A., A. SALAMEH, C. BENNA, F. SANDRELLI, G. MAZZOTTA, M. ZORDAN, E. ROSATO, C.
	630	IP. KYRIACOU and R. COSTA. Efficient and heritable functional knock-out of an adult phenotype in
		Drosophila using a GAL4-driven hairpin RNA incorporating a heterologous spacer. Nucleic Acids Res
		Jun 15 2001 E55-55 29
	640	VANCE, V. and H. VAUCHERET. RNA silencing in plants-defense and counterdefense Science Jun
		22 2001 2277-2280 292
	650	ARGAMAN, L., R. HERSHBERG, J. VOGEL, G. BEJERANO, E. G. WAGNER, H. MARGALIT and S.
		ALTUVIA. Novel small RNA-encoding genes in the intergenic regions of Escherichia coli Curr Biol Jun
		26 2001 941-950 11
	660	GRISHOK, A., A. E. PASQUINELLI, D. CONTE, N. LI, S. PARRISH, I. HA, D. L. BAILLIE, A. FIRE, G.
		RUVKUN and C. C. MELLO. Genes and mechanisms related to RNA interference regulate expression
		of the small temporal RNAs that control C. elegans developmental timing Cell Jul 13 2001 23-34
		106
	670	HUTVAGNER, G., J. MCLACHLAN, A. E. PASQUINELLI, E. BALINT, T. TUSCHL and P. D. ZAMORE.
		A cellular function for the RNA-interference enzyme Dicer in the maturation of the let-7 small temporal
	680	RNA Science Aug 3 2001 834-838 293  HAMMOND, S. M., S. BOETTCHER, A. A. CAUDY, R. KOBAYASHI and G. J. HANNON, Argonaute2.
	080	la link between genetic and biochemical analyses of RNAi Science Aug 10 2001 1146-1150 293
		a link between generic and biochemical analyses of Filen. Science Aug 10 2001 1140-1150 255
	700	VAUCHERET, H., C. BECLIN and M. FAGARD. Post-transcriptional gene silencing in plants. J Cell Sci.
		Sep 2001 3083-3091 114
	710	WESLEY, S. V., C. A. HELLIWELL, N. A. SMITH, M. B. WANG, D. T. ROUSE, Q. LIU, P. S.
		GOODING, S. P. SINGH, D. ABBOTT, P. A. STOUTJESDIJK, S. P. ROBINSON, A. P. GLEAVE, A. G.
		GREEN and P. M. WATERHOUSE. Construct design for efficient, effective and high-throughput gene
		silencing in plants Plant J Sep 2001 581-590 27
	720	MATTICK, J. S. and M. J. GAGEN. The evolution of controlled multitasked gene networks: the role of
		introns and other noncoding RNAs in the development of complex organisms. Mol Biol Evol. Sep. 2001
	730	1611-1630 18 CARTER, R. J., I. DUBCHAK and S. R. HOLBROOK. A computational approach to identify genes for
	730	CARTER, H. J., I. DUBCHAK and S. H. HOLBHOOK. A computational approach to identify genes for functional RNAs in genomic sequences. Nucleic Acids Res. Oct 1 2001 3928-3938 29
		Tunctional HINAs in genomic sequences. Nucleic Acids Hes. Oct 1 2001 3928-3938 29
	740	MOSS, E. G. RNA interference: it's a small RNA world. Curr Biol. Oct 2 2001 R772-775 11
	750	KETTING, R. F., S. E. FISCHER, E. BERNSTEIN, T. SIJEN, G. J. HANNON and R. H. PLASTERK.
	. 50	Dicer functions in RNA interference and in synthesis of small RNA involved in developmental timing in
		C. elegans Genes Dev Oct 15 2001 2654-2659 15
	760	RUVKUN, G. Molecular biology. Glimpses of a tiny RNA world. Science. Oct 26 2001 797-799 294
	770	LEE, R. C. and V. AMBROS. An extensive class of small RNAs in Caenorhabditis elegans. Science
		Oct 26 2001 862-864 294
	780	LAU, N. C., L. P. LIM, E. G. WEINSTEIN and D. P. BARTEL. An abundant class of tiny RNAs with
		probable regulatory roles in Caenorhabditis elegans Science Oct 26 2001 858-862 294

U.S. Application No.
Filling Date
First Inventor
Art Unit
Examiner
DEJONG, ERIC S
Docket Number
DS992.0200.CNUS05

Examiner Initials  790 Authors, Title, Journal, Date, Year, Pages, Volume  Authors, Title, Journal, Date, Year, Pages, Volume  790 LGGGS CUINTANA, M., R. RAUHRIT, W. LENDECKEL and T. TUSCHL. Identification of novel genes coding for small agreeased PRMs. Science Oct 29  820 1747A, A. A. FOLMICNOY, Y. MATSUDA, R. S. NELSON and B. DNR. Potato spindle tuber viroid as niducer of PRM allevating in infected branch bull Flam Mischoe Interact Nov. 2001 1352-1354. 14  830 MATTICK, J. S. Non-coding RNAs: the architects of eukaryotic complexity. EMBD Rap Nov. 2001  840 ELBASHIR, S. M., J. MARTINEZ, A. PATKANIOWSKA, W. LENDECKEL and T. TUSCHL. Functional anatomy of siRNAs for mediating efficient RNail in Drosophila melanogaster embryo lysate Embo J Dec. 301 AMERICS, Y. microRNds: the preparation of the Drosophila melanogaster embryo lysate Embo J Dec. 302 AMERICS, Y. microRNds: the preparation of the Drosophila melanogaster embryo lysate Embo J Dec. 303 AMERICS, Y. microRNds: the preparation of the Drosophila melanogaster embryo lysate Embo J Dec. 304 AMERICS, Y. microRNds: the preparation of the Drosophila melanogaster embryo lysate Embo J Dec. 305 AMERICS, Y. microRNds: the preparation of the State			NON PATENT LITERATURE DOCUMENTS
790 LAGGS QUINTANA, M. R. RÄLHÄT, W. LENDECKEL and T. TUSCHL. Identification of novel genes coding for small expressed PRMs. Science Oct 26 200 1853-852 201 850 1851-852 201 85			
ooding for small expensed RNAs Science Oct 26 2001 853-858-284  820 TRYAN, A. P. CHUMKONY, V. MATSUDA, R. S. NEISON and B. DINC, Potato spindle tuber viroid as inducer of RNA silencing in infected tomato Mol Plant Microbe Interact. Nov. 2001 1322-1334. 14  830 MATTICH, J. S. Non-coding RNAs: the architects of eukarystic complexity. EMBO Rap Nov. 2001 889-901. 2  840 ELBASHIR, S. M., J. MATTICH, Z. P. ATENANIOWSKA, W. LENDECKEL and T. TLISCHL. Functional anatomy of siRNAs for mediating efficient RNA in Dosophila melanogaster embryo lysate. Embo J Dec 3. 2001 8877-8889. 20  850 AMRICOS, V. microRNAs: timy regulators with great potential. Cell Dec 28. 2018-2018-2018. 3  860 BLASCICKY, J. J. E. TROPEA, M. BUBUNENKO, W. I. ROUTZAHN, D. 501 823-826 107. L. COURT and X. J. Crystaliographic and modeling studies of RNase its suggest a mechanism for double.  870 GREEF, S. S. ELENBERGRECH, V. A. GLESIANS, V. SIAMEZ, H. SCHOR, H. H.CLTORF, S. VIA EEDEN and F. MEINS. Cardit transmission of induced and spontaneous post-transcriptional silencing of chilinase genes Plant J Dec 2001 493-501 28  880 SMALIRIDGE, R. A. small fortune Nat Rev. Mol Cell Bibl. Dec 2001 667 2  880 EDDY, S. R. Non-coding RNA, pense and the modern RNA word Nat Rev Genet Dec 2001 919-929  890 EDDY, S. R. Non-coding RNA, pense and the modern RNA word Nat Rev Genet Dec 2001 9201 1090 283  990 MESHORER, E., C. ERB, R. GAZIT, L. PAYLOVSKY, D. KAUFER, A. FRIEDMAN, D. CLICK, N. BEN-ARIE and H. SONECO, Alternative spicing and neutritis mRNA translocation under inportum neutronal of the Cell Processing of the Processing Plant of the Cell Processing Plant State Science Plant Plant Science Plant Plant Science Plant Plant Science Plant Plant Science Plant Science Plant Science Plant Science Plant Science Plant Science Plant Sc	Initials		
820 ITAYA, A., A. FOLMONOV, Y. MATSUDA, R. S. NELSON and B. DING. Potato sprinde tuber viroid as indusor of RNA elevation in fined to mans Mol Plant Microbe Inferent Nov. 2001 1325-1334 1 4 1 8 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		790	
Inducer of RNA silencing in infected formato Mol Plant Microbe Inferract Nov. 2001 1323-1334 14			coding for small expressed RNAs Science Oct 26 2001 853-858 294
830 MATTICK, J. S. Non-coding FINAs: the architects of eukaryotic complexity EMBO Rep Nov 2001 868-991 2 840 ELBASHIR, S. M., J. MARTINEZ, A. PATKANIOWSKA, W. LENDECKEL and T. TUSCHL. Functional anatomy of siPMAs for mediating efficient RNA in Discophila melanogaster embryo yeate Embo J Dec 300 AMBPROS Y. microRNAs is tryougations with group potential Cell Dec 28, 2001 823-861 07 850 ELASZCZYK, J. J. E. TROPEA, M. BUBBUENKO, K. M. FOULTZAHN, D. S. WAUGH, D. L. COURT and X. JI. Cystallographic and modeling studies of RNase III suggest an exchanism for double-stranded RNA cleavage Structure Dec 2001 1225-1236 9 870 CRETE, P. S. LEUNBERBGEY, V. A. IGLESIAN, S. VSLAREZ, H. SCHOB, H. HOLTORF, S. VAN EEDEN and F. MEINS. Graft transmission of induced and spontaneous post-transcriptional silencing of orbitisate general Plant J Dec 2001 483-501 28 890 EDIN, S. R. Non-coding RNA general and the International State of State 1999 (1999) 1999 200 EDIN, S. R. Non-coding RNA general and the International State Plant State 1999) 1990 EDIN A. J. MICHAEL AND J. M. KOTER. R. R. Nar. yearding emerican selencing 201 1090 223 900 LU, C. M. miRNA bead detection Geneco Bosmedical Products PHS 398 2001 1 910 MATZEK, M. A. J. MATZEK and J. M. KOOTER. R. R. Nar. yearding emerican selencing 201 1090 229  903 GROSSHANS, H. and F. J. SLACK. Micro-RNAs: small is plentful J Cell Biol Jan 7 2002 17-21 156 904 MSSI-ORER, E., C. ERB, R. GAZT, L. PANLOVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN-ARIE and H. SOFIED. Allermative spicing and neural micro RNA translocation under long-term neuronal hyporarensitivity Science Jan 18 2002 596-512 295 905 MSSI-GREE, E., G. ERB, R. GAZT, L. PANLOVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN-ARIE and H. SOFIED. Allermative spicing and neural micro RNA translocation under long-term neuronal hyporarensitivity Science Jan 18 2002 596-512 295 906 MSSI-GREE, D. A. G. FISACK. Control of developmental simply year all temporal RNAs: a paradigm mammalian cells union and interfering RNAs. Mehode Feb. 2002 119-212		820	
880-991 2  880 ELBASHIR, S. M., J. MARTINEZ, A. PATKANIOWSKA, W. LENDECKEL and T. TUSCHL. Functional anatomy of siRNAs for mediating efficient RNA in Drosophila metanogaster embryo lysate Embo J Dec 3 2016 R77-688 2019  880 AMEROS, V. microRNAs graduaters with great potential Call Eace 28 2001 823-89 197  880 AMEROS, V. microRNAs graduaters with great potential Call Eace 28 2001 823-89 197  881 AMEROS, V. microRNAs graduaters with great potential Call Eace 28 2001 823-89 197  882 AMEROS, V. microRNAs graduaters and graduaters with great potential Call Eace 28 2001 1225-1289 198  8870 CRETE, P. S. LEUENBERGER, V. A. IGLESIAS, V. SLAREZ, H. SCHOB, H. HOLTORF, S. VAN EEDEN and F. NEINS. Graft transmission of induced and spontaneous post-transcriptional silencing of chilinase genes Plant J Dec 2014 493-501 28  8880 SMAULRIDGE, R. A small fortune Nat Fav Mol Call Biol Dec 2001 867 2  890 EDOY, S. R. Non-coding RNA genes and the modern RNA word Nat Fiev Genet Dec 2001 1919-929  900 LU, C. M. miRNA bead detection Cenaco Boemedcal Products PHS 388 2001 1  910 MATZEK, M. A., J. MATZEK and J. M. KOOTER. RNA; guiding gene silencing 2011 1980 293  920 GROSSHANS, H. and F. J. SLACK. Micro-RNAs: small is plentiful J Cell Biol. Jan 7 2002 17-21 156  930 MSSYORER, E., C. ERB, R. GAZTI, L. PNALOVSKY, D. KAUPER, A. FRIEDMAN, D. GLICK, N. BEN-ARIS and H. SOFED, Alternative spicing and causine in RNA translocation under long-turn neuronal hyperanenality Science. Jan 18 2005 596-512 205  940 MSSS, E. G. MicroRNA: hidden in the genome Curr Biol Field 19 2002 R138-140 12  950 MSSS, E. G. MicroRNA: hidden in the genome Curr Biol Field 19 2002 R138-140 12  960 HOSS, E. G. MicroRNA: hidden in the genome Curr Biol Field 19 2002 R138-140 12  971 ELBASHIR, S. M., J. HANGOTTI, K. WIEDRIT and T. TUSCH. Analysis of gene function is somatic for RNA readed regulation of gene expression by RNAs and secretar RNAs associated with sense transgene mediated gene ellencing in tomato Plant J Feb 2002 509-519 29  980 NICHOLSON, R. H. and A. W. NICHOLSON			·
anatomy of siRNAs for mediating efficient FINAl in Dosophila melanogaster embryo Jysate Embo J Dec 3 2001 8677-888 20 850 AMROCKS, V. microRNAs for yespulations with great potential Cell Dec 28 2018 877-888 20 BLASCZCKY, J. J. E. TROPEA, M. BUBUNENKO, K. M. ROUTZAHN, D. S. WAUGH, D. L. COURT and X. JI. Crystallographic and modeling studies of Finase it suggest a mechanism for double and X. JI. Crystallographic and modeling studies of Finase its suggest a mechanism for double and X. JI. Crystallographic and modeling studies of Finase its suggest a mechanism for double and X. JI. Crystallographic and modeling studies of Finase its suggest a mechanism for double and X. JI. Crystallographic and Court Ago. 501 28 201 290 201 201 201 201 201 201 201 201 201 20		830	
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850 AMBROS, Y. microRNAs: tiny regulators with great potential Cell Dec 28 2001 823-826 107 880 BLASCOKY, J. J. E. TROPEA, M. BIBUNENKO, K. M. ROUIZAHN, D. S. WAUGH, I.C. COURT and X. JI. Crystallographic and modeling studies of Rhase III suggest a mechanism for double-stranded RMA (deseage Structure Dec 2001 1252-1258 9 870 CREE, P., S. LEURISHOER, Y. A. ROLESKS, Y. SUARCHE, H. SCHOB, H. H.C.TORF, S. VAN CREE, P., S. LEURISHOER, P. A. ROLESKS, V. S. A. ROLE			anatomy of siRNAs for mediating efficient RNAi in Drosophila melanogaster embryo lysate Embo J Dec
880 ELSZCZYK, J., J. E. TROPEA, M. BUBUNEÑKÖ, K. M. ROUTZAHN, D. S. WALGHI, D. L. COURT and X. JI. Cystallographic and modeling stude of Rhase III suggest an exchanism for double-strand RNA cleavage Structure Dec. 2001 1225-1238 9  870 CREITE, P. S. LEUNBEÑEĞICH, V. A. IGLESIAN, S. VALREZ, H. SCHOB, H. HOLTORF, S. VAN EEDEN and F. MEINS. Craft transmission of induced and spontaneous post-transcriptional stlencing of SMALIRIDGE. R. A stratt former bet Rne Not Got Belle Dice. 2001 697: 2  880 EDDY, S. R. Non-coding RNA genes and the modern RNA world Nat Rev Genet Dec. 2001 919-929 2  900 ILU, C. M. mIRNA bead detection Geneso Blemedical Process Page 2001 1  910 MATZEK, M. A. J. MATZEK and J. M. KOOTER, RNA: guiding gene silencing 2001 1090 293  920 GROSSHANS, H. and F. J. SLACK. Micro-RNA: small is plentflul J Cell Biol. Jan 7 2002 17-21 156  930 MESIGER, E., C. ERB, R. GAZT, I., PANLOVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN-ARIE and H. SCREO, Allementer spoling and neutrine mRNA translocation under long-term neuronal hypersensitivity. Science. Jan 18 2002 596-512 230  940 PADDISON, P. J., A. CAUDY and G. J. HANNON. Stable suppression of gene expression by RNA in mammalian cells veno ball developmental time gly want temporal RNA: a paradigm mammalian cells veno ball and collection of developmental timing by small temporal RNA: a paradigm of PRAMERIA of LO GRIEFISM. Relationship between small antisense RNA as associated with sense transgene mediated gene elistencing in tomato Plant J. Feb. 2002 679-51 3  980 INCHELE, D. and F. SLACK. Control of developmental timing by small temporal RNA: a paradigm mammalian cells using small interfering RNAs. Mehods Feb. 2002 199-213 26  980 INCHELE, D. and F. SLACK. Control of developmental timing by small temporal RNA: a paradigm collection of the control plant J. Feb. 2002 59-512 29  980 INCHELE, D. A. C. R. SLACK. Control of developmental timing by small temporal RNA: a paradigm collection of the control plant J. Feb. 2002 59-513 29  980 INCHELE, RNAMERI, F. A. BARRIOSO			
and X. Jl. Crystallographic and modeling studies of Rhase III suggest a mechanism for double- stranded RNA cleavage Structure Dec. 2011 1252-1258 9  870 CRETE, P., S. LEUENBERGER, V. A. IGLESMS, V. SUAREZ, H. SCHOB, H. HOLTORF, S. VAN EDDR and T. MEINS. Graft transmission of induced and spontaneous post-transcriptional silencing of children of the Commission of induced and spontaneous post-transcriptional silencing of divinities genes Plant J. Dec. 2001 493-301 28  880 SMALLRIDGER, R. A mail fortune Nat Rev McGet Biol Dec. 2001 867 2  890 SMALLRIDGER, R. A mail fortune Nat Rev McGet Biol Dec. 2001 867 2  890 LU, C. M. mRNA bead detection Genace Bomedeal Products PRS 398 2001 1  910 MATXKE, M., A. J. MATXKE and J. M. KOOTER. RNA: guiding gene silencing 2001 1080 293  920 GROSSHANS, H. and F. J. SLACK. Micro-RNAs: small is plentful J Cell Biol. Jan 7 2002 17:21 156  930 MESHORER, E., C. ERB, R. GAZIT, L. PAVLOVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN- ARIE and H. SCHECO. Alternative spicing and neuritic mRNA translocation under long-term neuronal hyperarenativity Science Jan 18 2002 506-512 255  940 MSSH-GRER, E., L. ERB, R. GAZIT, L. PAVLOVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN- ARIE and H. SCHECO. Alternative spicing and neuratic mRNA translocation under long-term neuronal hyperarenativity Science Jan 18 2002 506-512 235  941 PADDISON, P. J. A. R. CAUDY and G. J. HANNON. Sole suppression of gene expression by RNA  950 MSSH, E. G. Micro-RNAS Control of developmental triming by small emporal RNAs: a paradigm for RNA-mediated regulation of gene expression. Bioessays Feb. 2002 119-129 24  950 JANES, E. G. Micro-RNAS Control of developmental triming by small emporal RNAs: a paradigm for RNA-mediated regulation of gene expression. Mecanistric rhands for gas of gene function in somatic mammalian cells using small interfering RNAs. Methods Feb. 2002 19-12 24  950 JANES, E. G. D. and F. SLACK. Control of developmental triming by small emporal RNAs: a paradigm for RNA-mediated regulation of gene expression. M			
stranded RNA cleavage Structure Dec. 2001 1225-1236 9  870 CRETE, P., S. LEUNBERGER, V. A. IGLESIAN, S. V. SLAREZ, H. SCHOB, H. HOLTORF, S. VAN EEDEN and F. MEINS. Graft transmission of induced and spontaneous post-transcriptional silencing of childrate genes Plant J. Dec. 2001 482-501 29  880 SMAULRIOGE, R. A small fortune hat Fav Not Coll Biol Dec. 2001 867 2  890 SMAULRIOGE, R. A small fortune hat Fav Not Coll Biol Dec. 2001 867 2  990 SMAULRIOGE, R. A small fortune hat Fav Not Coll Biol Dec. 2001 867 2  990 SMAULRIOGE, R. A small fortune hat Fav Not Coll Biol Dec. 2001 867 2  990 LU, C. M. miRNA bead direction Genaco Biomedical Products PHS 398 2001 1  910 MATZEK, M. A. J. MATZEK and J. M. KOOTER. RNA: guiding gene silencing 2001 1090 293  920 GROSSHANS, H. and F. J. SLACK. Micro-RNAs: small is plentfill J Cell Biol Jan 7 2002 17:21 156  930 MSSHORER, E., C. ERB, R. GAZT, L. PANLOVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN. ARIE and H. SOFIED, Alternative spicing and results on IRNA translocation under long-term neuronal hyperanenality Salence, Jan 18 2002 596-512 205  940 PADDISON, P. J. A. A. CAUDY and G. J. HANNOY. Stable suppression of gene expression by RNA  190 MOSS, E. G. MicroPNAs: Indentine in the geneme. Curr Dief Feb 19 2002 R138-140 12  950 BANKERLEE, D. and F. SLACK. Control of developmental simply ye mal temporal RNAs: a paradigm malmmalian cells using small intenfering RNAs. Methods. Feb. 2002 190-213 29  960 HANN S. E. G. MicroPNAs: Indentine in the geneme. Curr Dief Feb 19 2002 R138-140 12  970 MICHAELEE, D. and F. SLACK. Control of developmental simply by small temporal RNAs: a paradigm mammalian cells using small intenfering RNAs. Methods. Feb. 2002 190-213 29  971 HAN, Y. and D. GIEFESON. Relationship between small antiences Plant and abstracted RNAs associated with sense transgene mediated gene alternative flows and a memmal antiences relation of a mouse cDNA encoding Dior, a robonuclesse III ontholog involved in RNA intenferonce Mamm Genome Feb. 2002 679-73 13  1000 PLETTA-FERNANDEZ		880	
870 CRETE, P., S. LEUENBERGER, V. A. IGLESMAS, V. SUAREZ, H. SCHOR, H. HOLTORF, S. VAN EEDEN and F. MEINS. CRIST transmission of induced and spontaneous post-transcriptional silencing of children of the control of th			
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890 EDIY, S. R. Non-coding RNA genes and the modern RNA world Nat Rev. Genet. Dac. 2001 919-929 2 2 3 900 ILL, C. M. miRNA bead detection. Genaco Biomedical Products PHS 398 2001 1 910 MATZNE, M., A. J. MATZNE and J. M. KOOTER. RNA: guiding gene silencing. 2001 1090 293 920 GROSSHANS, H. and F. J. SLACK. Micro-RNAs: small is plentful J Cell Biol. Jan. 7. 2002 17-21 156 930 MESHORER, E., C. ERR, R. GAZTI, L. PANLOVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN-ARIE and H. SCRED. Allementer spoling and neutrin mRNA translocation under long-term neuronal hyporasensitivity. Science. Jan. 18. 2002 596-912 295 940 FADDISON, P. J., A. C. ACUDY and G. J. HANNON. Stable suppression of gene expression by RNA in mammalian cells. Proc. Natl Acad Sci U. S. Fab. 5. 2002 1445-1449. 99 950 MCSS, E. G. MorriPMS-indicen in the generoe. Curr Role Fab 19. 2002 R188-140 12 960 BANE-NUE, D. and F. SLACK. Control of developmental timing by small temporal RNAs: a paradigm mammalian cells using small interfering RNAs. Methods Fab. 2002 199-213 26 960 ILANS, S. G. N. J. HARSENGTHE, K. WEERE and T. TILSCE. Analysis of gene function in small communication and colls using small interfering RNAs. Methods Fab. 2002 199-213 26 960 ILANS, S. G. N. J. HARSENGTHE, K. WEERE and T. TILSCE. Analysis of gene function in small communication of a mouse collaw encoding Diore, a chonuclesse III ortholog involved in RNA interference Mamm. Genome Fab. 2002 67-73 13 1000 PUERTA-FERNANDEZ, E. A. BARRIOSO DEFLESUS and A. BERZAL-HERRANZ. Anchoring halipin riborymes to long larger RNAs by loop-loop RNA interactions. A fisigened by symmetrically transcribed 1010 GIORDANO, E. R. R. RENDINA, P. PELUSO and M. FUHIA. RNA triggered by symmetrically transcribed 1010 GIORDANO, E. R. R. RENDINA, P. PELUSO and M. FUHIA. RNA triggered by symmetrically transcribed 1010 GIORDANO, E. R. R. RENDINA, P. PELUSO and M. FUHIA. RNA triggered by symmetrically transcribed 1010 decreases and control of the con			
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920 GROSSHANS, H. and F. J. SLACK. Micro-RNAs: small is plentiful. J Cell Biol. Jan 7 2002 17-21 156 930 MESHORER, E., C. ERB, R. GAZIT, L. PAVLOVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN-ARIE and H. SOKEO, Alternative spicing and neartist mRNA translocation under long-term neutronal PARIES of the Community			
MESHORER, E., C. ERB, R. GAZIT, L. PAVI, OVSKY, D. KAUFER, A. FRIEDMAN, D. GLICK, N. BEN- ARIE and H. SOREO, Alternative spicing and neutritic mRNA translocation under long-term neuronal hypersensibity Science. Jan 18 - 2002 508-512; 2856 suppression of gene expression by RNA in mammalian cells Proc Natl Aced Sci U. S. A. Feb. 5. 2002 1443-1449. 99 990 MOSS, E. G. MicroRNA: Indiden in the genome. Curr Bot Feb 19 2002 R138-140-12 990 BANELIEE, D. and F. SLACK. Control of developmental time by small temporal RNA: a paradigm for TRNA mediated regulation of gene expression Bloessays Feb. 2002 119-129-24 970 ELBASHIRS, S. M., J. HARBORTIN, K. WEBFIR and T. TUSCHE. Analysis of gene function in sematic mammalian cells using small interfering RNAs. Methods Feb. 2002 199-213-26 980 ANCHOLSON, R. J. ARROSCONERS 980 NICHOLSON, R. H. and A. W. NICHOLSON. Medical characterization of a mouse coNth exceeding NICHOLSON, R. H. and A. W. NICHOLSON. Medical characterization of a mouse coNth exceeding NICHOLSON, R. H. and A. W. NICHOLSON. Medical characterization of a mouse coNth exceeding NICHOLSON, R. H. and A. W. NICHOLSON. Medical characterization of a mouse coNth exceeding NICHOLSON, R. H. and A. W. NICHOLSON. Medical characterization of a mouse coNth exceeding NICHOLSON, R. H. and A. W. NICHOLSON. Medical characterization of a mouse coNth exceeding NICHOLSON, R. L. ARROSCON DELLIESUS and A. BERZAL-HERRANZ. Anchoring hairpin ribovymes to long target RNAs by loop-loop RNA interactions Afficience Nucleic Acid Drug Dev Feb 2002 19-12 0101 GIGHDANO, E. R. RENDINA, I. PELUSO and M. FURIA. RNA triggered by symmetrically transcribed		910	MATZKE, M., A. J. MATZKE and J. M. KOOTER. RNA: guiding gene silencing 2001 1080 293
ARIE and H. SOREO. Alternative spicing and neuritin mRNA translocation under long-term neuronal hyperansativity Science. Jan 18 2002 598-512 2856 suppression of gene expression by RNA in mammalian cells Pook Natl Acad Sci U. S. A. Feb. 5. 2002 1443-1446-99 490 490 490 490 490 490 490 490 490 4		920	·
hypersensitivity Science Jan 18 2002 596-912 295  940 PADDSRON, P.J. A. A. CAUDY And G. J. HANNON. Stable suppression of gene expression by RNA in mammalian cells - Proc Natl Acad Sci U S. A. Feb 5 2002 1445-1449 59  950 MOSS, E. G. MerciPNAs indices in the genome Cury Role Feb 19 2002 R138-140 12  960 BANEAUEE, D. and F. SUACK. Control of developmental stimp by small temporal RNAs: a paradigm of PNA-model and equation of gene expression Sciences says Feb. 2002 119-129 24  970 Find the Control of the Control of developmental stimp by small temporal RNAs: a paradigm amminism cells using small interfering RNAs Methods Feb. 2002 199-913 26  980 FIAN Y. and D. GIEFESON. Relationship between small antiferent RNAs and aberrant RNAs associated with sense transgene mediated gene silencing in tomato Plant J. Feb. 2002 509-519 29  990 NICHOLSON, R. H. and A. W. NICHOLSON. Midecular characterization of a mouse cDNA encoding Dicer, a robonuclesse III ortholog involved in RNA interference Mamm Genome Feb. 2002 67-73 13  1000 PUERTA-FERNANDEZ, E. A. BARROSO DEFLESUS and A. BERZAL-HERRAXZ. Anchoring halpin ribocymes to long larged RNAs by loop-loop RNA interactions Antisense Nucleic Acid Drug Dev Feb. 2002 19-12 12  1010 GIORDANO, E. R. RENDINA, I. PELUSO and M. FUHIA. RNA triggered by symmetrically transcribed		930	
940 PÁDDISON, P. J., A. A. CAUDY and G. J. HANNON. Stable suppression of gene expression by RNA in mammalian cels Prox Natl Act Sci U. S A Feb S. 2002 1443-144. 99 9 1950 MCSS, E. G. MicroRNA: hidden in the genome. Curr Biol Feb 19 2002 R138-140 12 990 MCSS, E. G. MicroRNA: hidden in the genome. Curr Biol Feb 19 2002 R138-140 12 900 MCSS, E. G. MicroRNA: hidden in the genome. Curr Biol Feb 19 2002 R138-140 12 900 MCSS, E. G. MicroRNA: hidden in the genome Curr Biol Feb 19 2002 R138-140 12 900 ELBASHIR, S. M., J. HARBORTIN, K. WEBFI and T. TUSCHE. Analysis of gene function in somatic mammalian cells using small interfering RNAs. Methods Feb 2002 199-213 26 900 HAN, Y. and D. GIERESON. Relatoratisp between small antiencer RNAs and advarrant RNAs associated with sense transgene mediated gene silencing in horator Plant J Feb 2002 509-519 20 900 NICHOSON. Methods read transferior of a mouse CMN emoding Dicer, a ribonuclease III ortholog involved in RNA interference Mamm Genome Feb 2002 67-73 13 1000 PUPLITA FERNANDEZ, E. A. BARRIOSO DELL'ESUS and A. BERZAL-HERRANZ. Anchoring hairpin ribonymes to long target RNAs by loop-loop RNA interactions Antiessen Nucleic Acid Drug Dw Feb 2002 19-112 GIGRDANO, E., R. RENDINA, L. PELUSO and M. FURIA. RNA triggered by symmetrically transcribed			
in mammalian cells Proc Natl Acad Sci U S A Feb S 2002 1443-1449 99 990 MOSS, E. G. MicroRNA: hidden in the genome. Cut Rible 149 19 2002 R138-140 12 990 BANERIEE, D. and F. SIACK. Control of developmental timing by small temporal RNAs: a paradigm for TRM-mediated regulation of gene expression Bleestays Feb 2002 119-129 24 970 ELBASHIN, S. M., J. HARBORTIN, K. WEBFIR and T. TUSCRL. Analysis of gene function in somation and the second second second results of the second results of			
950 MOSS, E. G. MicroRNAs: hidden in the genome. Curr Biol Feb 19: 2002 R138-140: 12 960 BANEFILE, D. and F. SLACK. Control of developmental tering by small emporal RNAs: a paradigm for RNA-mediated regulation of gene expression. Bloessays Feb. 2002: 119-129: 24 970 ELBASHIR, S. M., J. HARBORTIK, W. WEBFL and T. TUSCH. Analysis of gene function in somatic mammalian cells using small interfering RNAs. Methods Feb. 2002: 199-213: 26 980 HAN, Y. and D. GRIEFSON. Relationship between small anteners RNAs and aberrant RNAs associated with sense transgene mediated gene silencing in tomato Plant J Feb. 2002: 509-519: 29 990 NICHOLSON, R. H. and A. W. MCOLGSON. Melecutar characterization of a mouse CDM encoding Dioor, a ribonuclease III ortholog involved in RNA interference. Mamm Genome Feb. 2002: 67-73: 13 1000 PUERTIA-FERNANDEZ, E. A. BARRIOSO-DELLESUS and A. BERZAL-HERRANZ. Anchoring halignin ribonymes to long target RNAs by loop-loop RNA interference Mamm Genome Nucleic Acid Drug Dev Feb. 2002: 19-12 1010 GIORDANO, E. R. RENDINA, I. PELUSC and M. FURIA. RNA triggeored by symmetrically transcribed		940	
960 BANERIJEE, D. and F. SIACK: Control of divelopmental timing by small temporal RNAs: a paradigm for RNA-mediated regulation of gene expression Biosessays Feb. 2002; 191-282 24.  970 ELRASHIR, S. M., J. HARBORTH, K. WEBER and T. TUSCRE. Analysis of gene function in somatic mammalian coles using small interioring RNAs and absertant RNAs and aberrant RNAs associated with sense transpene mediated gene silencing in tomato Plant J. Feb. 2002; 509-518 29.  980 NICHOLSON, R. H. and A. W. NICHOLSON. Mediecular characterization of a mouse cDNA encoding Dicer, arbonuclease III ortholog involved in RNA interference Mamm Genome Feb. 2002; 67-73 13.  1000 PUERTA-FERNANDEZ, E., A. BARRIOSO-DELJESUS and A. BERZAL-HERRANZ. Anchoring hoborymes to long target RNAs by loop-loop RNA interactions Antisense Nucleic Acid Drug Dev Feb. 2002; 19-12.  1010 GIORDANO, E., R. RENDINA, I. PELUSO and M. FURIA. RNA triggered by symmetrically transcribed.			
for FNA-mediated regulation of gene expression. Bioessays Feb. 2002; 119-129; 24  970 ELBASHIR, S.M., J. HARISOTILI, K. WEBFIR and T. TUSCHE. Analysis of gene function in somatic mammalian cells using small interfering RNAs. Methods Feb. 2002; 199-213; 29  980 I-NAN, Y. and D. ORIERSON. Relationship between small authenner RNAs and aberrant RNAs associated with sense transgene mediated gene silencing in tomato Plant J Feb. 2002; 509-519; 29  980 NICHOLSON, R. H. and A. W. NICHOLSON. Melecular characterization of a mouse cDNA exceding Dioux, an bonunclease III ortholog involved in RNA interference Mamm Genome Feb. 2002; 67:75; 13  1000 PUERTIA-FERNANDEZ, E. A. BARRIOSO-DELLESUS and A. BERZAL-HERRANZ. Anothoring hairpin riborymes to long target RNAs by topo-plop RNA interference in Nacional Conference in Nacional Conf			
970 ELBASHIR, S. M., J. HARBORTIN, K. WEBER and T. TUSCHE. Analysis of gene function in somatic mammalian colls using small interdencing RNAs Methods Feb. 2022 199-212 26 980 HAN Y. and D. GRIEFISON. Relationship between small antisense RNAs and abernart RNAs associated with sense transpene mediated gene silencing in tomato Plant J. Feb. 2022 509-518 29 990 NICHOLSON, R. H. and A. W. NICHOLSON. Melecular characterization of a mouse cDNA encoding Dicer, a ribonuclease III ortholog involved in RNA interference Mamm Genome Feb. 2002 67-73 13 1000 PUERTA-FERNANDEZ, E., A. BARRIOSO-DELJESUS and A. BERZAL-HERRANZ. Anchoring happing in bourymes to long target RNAs by loop-loop RNA interactions Antisense Nucleic Acid Drug Dev Feb. 2002 19-12 1010 GIGRDANO, E., R. RENDINA, I. PELUSO and M. FURIA. RNA! triggered by symmetrically transcribed		960	BANERJEE, D. and F. SLACK. Control of developmental timing by small temporal RNAs: a paradigm
mammalian cells using small interfering RNAs. Methods Feb. 2002; 19-2/19. 26  980 HAN, Y. and D. GRIEFISON. Relationship between small authenser RNAs and aberrant RNAs associated with sense transgene mediated gene silencing in tomato Plant J Feb. 2002; 509-519. 29  990 NICHOLSON, R. H. and A. W. NICHOLSON. Melecular characterization of a mouse cDNA encoding Diors, arbonuclease III ornibog involved in RNA interference Mamm Genome Feb. 2002; 67:75-13  1000 PUERTA-FERNANDEZ, E. A. BARRIOSO DELLESUS and A. BERZAL-HERRANZ. Anchoring halpin ribozymes to long target RNAs by loop-loop RNA interactions. Antisense Nucleic Acid Drug Dev. Feb 2002; 19-12  1010 GIORDANO, E. R. RENDINA, I. PELUSO and M. FURIA. RNA triggered by symmetrically transcribed			
980 HAN Y, and D, GRIERISON. Relationship between small antisense RNAs and abernart RNAs associated with sense transpene modiated gene silencing in tomato Plant J Feb. 2002 509-516 29 990 NICHOLSON, R. H. and A. W. NICHOLSON. Molecular characterization of a mouse cDNA encoding Dicer, a ribonuclease III offolog involved in RNA interference Mamm Genome Feb. 2002 67-73 13 1000 PUERTA-FERNANDEZ, E., A. BARRIOSO-DELJESUS and A. BERZAL-HERRANZ. Anchoring happing hoborymes to long target RNAs by loop-loop RNA interactions. Antisense Nucleic Acid Drug Dev Feb. 2002 19- 12 1010 GIGRDANO, E., R. RENDINA, I. PELUSO and M. FURIA. RNA! triggered by symmetrically transcribed		970	ELBASHIH, S. M., J. HARBORTH, K. WEBER and T. TUSCHL. Analysis of gene function in somatic
associated with sense transgene mediated gene allencing in tomato Plant J Feb. 2002 509-519 29  990 NICHOLSON, R. H. and A. W. NICHOLSON. Melecular characterization of a mouse cDNA encoding Dicert, a rbonuclesse IIII ortholog involved in FNA interference Mamm Genome Feb. 2002 67:73 13  1000 PURFITA FERNANDEZ, E. A. BARRIOSO DELLESUS and A. BERZAL-HERRIANZ. Anchoring halipin rbonymen to long target RINAs by loop toop RNA interactions Antisense Nucleic Acid Drug Dev Feb. 2002 19:12  1010 GIGRDAND, E., R. RENDINA, I. PELUSO and M. FURIA. RNA triggered by symmetrically transcribed			
Dicer, a ribonuclease ill ortholog involved in RNA interference Mamm Genome Feb. 2002 67-73 13  1000 PUERTA FERNANDEZ, E. A. BARRIOSO DELIZESUS and A. BERZAL-HERRANZ. Anchoring hairpin bodymes to long target RNAs bi topo bogo RNA interactions Antisense Nucleic Acid Drug Dev Feb. 2002 1-9 12  1010 GIGRIDAMO, E., R. RENDINA, I. PELUSO and M. FURIA. RNA! triggered by symmetrically transcribed		980	
hbozymes to long target RNAs by loop-loop RNA interactions. Antisense Nucleic Acid Drug Dev. Feb. 2002. 1-9 12.  1010 GIORDANO, E., R. RENDINA, I. PELUSO and M. FURIA. RNAi triggered by symmetrically transcribed.		990	
hbozymes to long target RNAs by loop-loop RNA interactions. Antisense Nucleic Acid Drug Dev. Feb. 2002. 1-9 12.  1010 GIORDANO, E., R. RENDINA, I. PELUSO and M. FURIA. RNAi triggered by symmetrically transcribed.		1000	PUERTA-FERNANDEZ, E., A. BARROSO-DELJESUS and A. BERZAL-HERRANZ. Anchoring hairpin
1010 GIORDANO, E., R. RENDINA, I. PELUSO and M. FURIA. RNAi triggered by symmetrically transcribed			ribozymes to long target RNAs by loop-loop RNA interactions Antisense Nucleic Acid Drug Dev Feb
		1010	

Examiner Signature:	Date Considered:

U.S. Application No.
Filling Date
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D05992.0200.CNUS05

		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No#	Authors, Title, Journal, Date, Year, Pages, Volume
	1020	MARTENS, H., J. NOVOTNY, J. OBERSTRASS, T. L. STECK, P. POSTLETHWAIT and W. NELLEN.
		RNAi in Dictyostelium: the role of RNA-directed RNA polymerases and double-stranded RNase Mol Biol
		Cell Feb 2002 445-453 13
	1030	MOURELATOS, Z., J. DOSTIE, S. PAUSHKIN, A. SHARMA, B. CHARROUX, L. ABEL, J.
		RAPPSILBER, M. MANN and G. DREYFUSS. miRNPs: a novel class of ribonucleoproteins containing
		numerous microRNAs Genes Dev Mar 15 2002 720-728 16
	1040	SEGGERSON, K., L. TANG and E. G. MOSS. Two genetic circuits repress the Caenorhabditis elegans
		heterochronic gene lin-28 after translation initiation. Dev Biol. Mar 15 2002 215-225 243
	1050	MOREL, J. B., C. GODON, P. MOURRAIN, C. BECLIN, S. BOUTET, F. FEUERBACH, F. PROUX and
		H. VAUCHERET. Fertile hypomorphic ARGONAUTE (ago 1) mutants impaired in post-transcriptional
		gene silencing and virus resistance Plant Cell Mar 2002 629-639 14
	1060	CATALANOTTO, C., G. AZZALIN, G. MACINO and C. COGONI. Involvement of small RNAs and role
		of the qde genes in the gene silencing pathway in Neurospora Genes Dev Apr 1 2002 790-795 16
	1070	BOUTLA, A., K. KALANTIDIS, N. TAVERNARAKIS, M. TSAGRIS and M. TABLER. Induction of RNA
		interference in Caenorhabditis elegans by RNAs derived from plants exhibiting post-transcriptional gene
		silencing Nucleic Acids Res Apr 1 2002 1688-1694 30
	1080	PASQUINELLI, A. E. and G. RUVKUN. Control of developmental timing by micrornas and their targets
		Annu Rev Cell Dev Biol Epub 2002 Apr 2. 2002 495-513 18
	1090	PADDISON, P. J., A. A. CAUDY, E. BERNSTEIN, G. J. HANNON and D. S. CONKLIN. Short hairpin
		RNAs (shRNAs) induce sequence-specific silencing in mammalian cells. Genes Dev. Apr 15 2002
		948-958 16
	1100	BECLIN, C., S. BOUTET, P. WATERHOUSE and H. VAUCHERET. A branched pathway for transgene-
		induced RNA silencing in plants Curr Biol Apr 16 2002 684-688 12
	1110	EDDY, S. R. Computational genomics of noncoding RNA genes Cell Apr 19 2002 137-140 109
	1120	LAGOS-QUINTANA, M., R. RAUHUT, A. YALCIN, J. MEYER, W. LENDECKEL and T. TUSCHL.
		Identification of tissue-specific microFINAs from mouse Curr Biol Apr 30 2002 735-739 12
	1130	KENT, W. J. BLATthe BLAST-like alignment tool Genome Res Apr 2002 656-664 12
	1140	HUTVAGNER, G. and P. D. ZAMORE. RNAi: nature abhors a double-strand. Curr Opin Genet Dev
		Apr 2002 225-232 12
	1150	NILSSON, M., J. BANER, M. MENDEL-HARTVIG, F. DAHL, D. O. ANTSON, M. GULLBERG and U.
		LANDEGREN. Making ends meet in genetic analysis using padlock probes. Hum Mutat. Apr. 2002.
		410-415 19
	1160	PASQUINELLI, A. E. MicroRNAs: deviants no longer Trends Genet Apr 2002 171-173 18
	1170	LAI, E. C. Micro RNAs are complementary to 3' UTR sequence motifs that mediate negative post-
		transcriptional regulation Nat Genet Apr 2002 363-364 30
	1180	SCHWARZ, D. S. and P. D. ZAMORE. Why do miRNAs live in the miRNP? Genes Dev May 1 2002
		1025-1031 16
	1190	BRANTL, S. Antisense-RNA regulation and RNA interference Biochim Biophys Acta May 3 2002 15
		25 1575
	1200	LI, H., W. X. LI and S. W. DING. Induction and suppression of RNA silencing by an animal virus
		Science May 17 2002 1319-1321 296
	1210	ZAMORE, P. D. Ancient pathways programmed by small RNAs Science May 17 2002 1265-1269
		296

Examiner Signature:	Date Considered:

 U.S. Application No.
 10/604,726

 Filling Date
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# Information Disclosure Statement

		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No#	Authors, Title, Journal, Date, Year, Pages, Volume
	1220	CHEN, S., F. A. LESNIK, T. A. HALL, R. SAMPATH, R. H. GRIFFEY, D. J. ECKER and L. B. BLYN, A.
		bioinformatics based approach to discover small RNA genes in the Escherichia coli genome
		Biosystems Mar-May 2002 157-177 65
	1230	LEE, N. S., T. DOHJIMA, G. BAUER, H. LI, M. J. LI, A. EHSANI, P. SALVATERRA and J. ROSSI.
		Expression of small interfering RNAs targeted against HIV-1 rev transcripts in human cells. Nat
		Biotechnol May 2002 500-505 20
	1240	DRAGHICI, S. Statistical intelligence: effective analysis of high-density microarray data. Drug Discov
		Today Jun 1 2002 S55-63 7
	1250	SILHAVY, D., A. MOLNAR, A. LUCIOLI, G. SZITTYA, C. HORNYIK, M. TAVAZZA and J. BURGYAN. A
		viral protein suppresses RNA silencing and binds silencing-generated, 21- to 25-nucleotide double-
		stranded RNAs Embo J Jun 17 2002 3070-3080 21
	1260	AYASH-RASHKOVSKY, M., Z. WEISMAN, J. DIVELEY, R. B. MOSS, Z. BENTWICH and G. BORKOW.
		Generation of Th1 immune responses to inactivated, gp120-depleted HIV-1 in mice with a dominant Th2
		biased immune profile via immunostimulatory [correction of imunostimulatory] oligonucleotides
		relevance to AIDS vaccines in developing countries. Vaccine. Jun 21 2002 2684-2692 20
	1270	TABARA, H., E. YIGIT, H. SIOMI and C. C. MELLO. The dsRNA binding protein RDE-4 interacts with
		RDE-1, DCR-1, and a DExH-box helicase to direct RNAi in C. elegans Cell Jun 28 2002 861-871
		109
	1280	BETTENCOURT, R., O. TERENIUS and I. FAYE. Hemolin gene silencing by ds-RNA injected into
		Cecropia pupae is lethal to next generation embryos Insect Mol Biol Jun 2002 267-271 11
	1290	HOOPER, N. M. and A. J. TURNER. The search for alpha-secretase and its potential as a therapeutic
		approach to Alzheimer's disease Curr Med Chem Jun 2002 1107-1119 9
	1300	LIU, Q., S. SINGH and A. GREEN. High-oleic and high-stearic cottonseed oils: nutritionally improved
		cooking oils developed using gene silencing J Am Coll Nutr Jun 2002 205S-211S 21
	1310	ZENG, Y., E. J. WAGNER and B. R. CULLEN. Both natural and designed micro RNAs can inhibit the
		expression of cognate mRNAs when expressed in human cells Mol Cell Jun 2002 1327-1333 9
	1320	MCMANUS, M. T., C. P. PETERSEN, B. B. HAINES, J. CHEN and P. A. SHARP. Gene silencing using
		micro-RNA designed hairpins Rna Jun 2002 842-850 8
	1330	REINHART, B. J., E. G. WEINSTEIN, M. W. RHOADES, B. BARTEL and D. P. BARTEL. MicroRNAs in
		plants Genes Dev Jul 1 2002 1616-1626 16
	1340	MCCAFFREY, A. P., L. MEUSE, T. T. PHAM, D. S. CONKLIN, G. J. HANNON and M. A. KAY. RNA
		interference in adult mice Nature Jul 4 2002 38-39 418
	1350	HANNON, G. J. RNA interference Nature Jul 11 2002 244-251 418
	1360	DENNIS, C. The brave new world of RNA Nature Jul 11 2002 122-124 418
	1370	JACQUE, J. M., K. TRIQUES and M. STEVENSON. Modulation of HIV-1 replication by RNA
		interference Nature Jul 25 2002 435-438 418
	1380	CULLEN, B. R. RNA interference: antiviral defense and genetic tool. Nat Immunol. Jul. 2002. 597-599
	1390	MA, C. and A. MITRA. Intrinsic direct repeats generate consistent post-transcriptional gene silencing in
	1390	MA, C. and A. Mil HA. Intrinsic direct repeats generate consistent post-transcriptional gene silencing in tobacco. Plant J. Jul. 2002; 37-49; 31.
	1400	NOVINA, C. D., M. F. MURRAY, D. M. DYKXHOORN, P. J. BERESFORD, J. RIESS, S. K. LEE, R. G.
	1400	COLLMAN, J. LIEBERMAN, P. SHANKAR and P. A. SHARP, siRNA-directed inhibition of HIV-1
		infection Nat Med Jul 2002 681-686 8
		INFOCULT HILL HOLD OUT EVOL OUT OUT

U.S. Application No.
Filling Date
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# Information Disclosure Statement

		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No#	Authors, Title, Journal, Date, Year, Pages, Volume
	1410	POMERANTZ, R. J. RNA interference meets HIV-1; will silence be golden? Nat Med Jul 2002 659-
		660 8
	1420	ZENG, Y. and B. R. CULLEN. RNA interference in human cells is restricted to the cytoplasm Rna Jul
	1100	2002 855-860 8 XIANG, C. C., O. A. KOZHICH, M. CHEN, J. M. INMAN, Q. N. PHAN, Y. CHEN and M. J.
	1430	
		BROWNSTEIN. Amine-modified random primers to label probes for DNA microarrays. Nat Biotechnol
	1440	Jul 2002 738-742 20 LLAVE, C., K. D. KASSCHAU, M. A. RECTOR and J. C. CARRINGTON. Endogenous and silencing-
	1440	lassociated small RNAs in plants. Plant Cell. Jul. 2002, 1605-1619, 14
	1450	RHOADES, M. W., B. J. REINHART, L. P. LIM, C. B. BURGE, B. BARTEL and D. P. BARTEL.
	1450	Prediction of plant microRNA targets Cell Aug 23 2002 513-520 110
_	1460	HIPFNER, D. R., K. WEIGMANN and S. M. COHEN. The bantam gene regulates Drosophila growth
	1460	Genetics Aug 2002 1527-1537 161
	1470	ILIU, Q., S. P. SINGH and A. G. GREEN. High-steams and High-oleic cottonseed oils produced by
	1470	hairpin RNA-mediated post-transcriptional gene silencing Plant Physiol Aug 2002 1732-1743 129
		Transport Transport and Transport
	1480	STOUTJESDIJK, P. A., S. P. SINGH, Q. LIU, C. J. HURLSTONE, P. A. WATERHOUSE and A. G.
	1400	GREEN. hpRNA-mediated targeting of the Arabidopsis FAD2 gene gives highly efficient and stable
		silencing Plant Physiol Aug 2002 1723-1731 129
	1490	SUZUMA, S., S. ASARI, K. BUNAI, K. YOSHINO, Y. ANDO, H. KAKESHITA, M. FUJITA, K.
	1450	NAKAMURA and K. YAMANE. Identification and characterization of novel small RNAs in the aspS-vrvM
		intergenic region of the Bacillus subtilis genome Microbiology Aug 2002 2591-2598 148
		Intergented together the basines decimal generate minimages by 7 kg 2002 2001 2000 140
	1500	MILLIGAN, L., T. FORNE, E. ANTOINE, M. WEBER, B. HEMONNOT, L. DANDOLO, C. BRUNEL and
		G. CATHALA. Turnover of primary transcripts is a major step in the regulation of mouse H19 gene
		expression EMBO Rep Aug 2002 774-779 3
	1510	HAMILTON, A., O. VOINNET, L. CHAPPELL and D. BAULCOMBE. Two classes of short interfering
		RNA in RNA silencing Embo J Sep 2 2002 4671-4679 21
	1520	LEE, Y., K. JEON, J. T. LEE, S. KIM and V. N. KIM. MicroRNA maturation: stepwise processing and
		subcellular localization Embo J Sep 2 2002 4663-4670 21
	1530	KLAHRE, U., P. CRETE, S. A. LEUENBERGER, V. A. IGLESIAS and F. MEINS, JR. High molecular
		weight RNAs and small interfering RNAs induce systemic posttranscriptional gene silencing in plants
		Proc Natl Acad Sci U S A Sep 3 2002 11981-11986 99
	1540	PARK, W., J. LI, R. SONG, J. MESSING and X. CHEN. CARPEL FACTORY, a Dicer homolog, and
		HEN1, a novel protein, act in microRNA metabolism in Arabidopsis thaliana Curr Biol Sep 3 2002
		1484-1495 12
	1550	JIANG, M. and J. MILNER. Selective silencing of viral gene expression in HPV-positive human cervical
		carcinoma cells treated with siRNA, a primer of RNA interference. Oncogene. Sep 5 2002 6041-6048
		21
	1560	MARTINEZ, J., A. PATKANIOWSKA, H. URLAUB, R. LUHRMANN and T. TUSCHL. Single-stranded
		antisense siRNAs guide target RNA cleavage in RNAi Cell Sep 6 2002 563-574 110
	1570	ALLSHIRE, R. Molecular biology. RNAi and heterochromatina hushed-up affair Science Sep 13
		2002 1818-1819 297
	1580	REINHART, B. J. and D. P. BARTEL. Small RNAs correspond to centromere heterochromatic repeats
		Science Sep 13 2002 1831 297
	1590	VOLPE, T. A., C. KIDNER, I. M. HALL, G. TENG, S. I. GREWAL and R. A. MARTIENSSEN. Regulation
		of heterochromatic silencing and histone H3 lysine-9 methylation by RNAi Science Sep 13 2002
		1833-1837 297

 U.S. Application No.
 10/604,726

 Filling Date
 August 13, 2003

 First Inventor
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 1631

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 050992,0200, CNUS05

Examiner Signature:

### Information Disclosure Statement

		NON PATENT LITERATURE DOCUMENTS
Examiner		
Initials	Cite No#	Authors, Title, Journal, Date, Year, Pages, Volume
	1600	BAULCOMBE, D. DNA events. An RNA microcosm Science Sep 20 2002 2002 2003 297
	1610	LLAVE, C., Z. XIE, K. D. KASSCHAU and J. C. CARRINGTON. Cleavage of Scarecrow-like mRNA
		targets directed by a class of Arabidopsis miRNA Science Sep 20 2002 2053-2056 297
	1620	MOCHIZUKI, K., N. A. FINE, T. FUJISAWA and M. A. GOROVSKY. Analysis of a piwi-related gene
		implicates small RNAs in genome rearrangement in tetrahymena Cell Sep 20 2002 669-699 110
	1630	HUTVAGNER, G. and P. D. ZAMORE. A microRNA in a multiple-turnover RNAi enzyme complex
		Science Sep 20 2002 2056-2060 297
	1640	COBURN, G. A. and B. R. CULLEN. Potent and specific inhibition of human immunodeliciency virus
	1050	type 1 replication by RNA interference J Virol Sep 2002 9225-9231 76  CAUDY, A. A., M. MYERS, G. J. HANNON and S. M. HAMMOND. Fragile X-related protein and VIG
	1650	
	1660	associate with the RNA interference machinery. Genes Dev. Oct. 1. 2002, 2491-2496, 16.  ISHIZUKA, A., M. C. SIOMI and H. SIOMI. A Drosophila fragile X protein interacts with components of
	1660	ISHIZUKA, A., M. C. SIOMI and H. SIOMI. A Drosophila tragile x protein interacts with components of IRNAI and ribosomal proteins. Genes Dev. Oct. 1 2002 2497-2506 16
	1670	VOINNET, O. RNA silencing: small RNAs as ubiquitous regulators of gene expression. Curr Opin Plant
	1670	Biol Oct 2002 444-451 5
	1660	GOLDEN, T. A., S. E. SCHAUER, J. D. LANG, S. PIEN, A. R. MUSHEGIAN, U. GROSSNIKLAUS, D.
	1000	W. MEINKE and A. RAY. SHORT INTEGUMENTS1/SUSPENSOR1/CARPEL FACTORY, a Dicer
		homolog, is a maternal effect gene required for embryo development in Arabidopsis Plant Physiol Oct
		2002 606-622 130
	1690	MERKLE, I., M. J. VAN OOIJ, F. J. VAN KUPPEVELD, D. H. GLAUDEMANS, J. M. GALAMA, A.
		HENKE, R. ZELL and W. J. MELCHERS. Biological significance of a human enterovirus B-specific RNA
		element in the 3' nontranslated region J Virol Oct 2002 9900-9909 76
	1700	FROEYEN, M. and P. HERDEWIJN. RNA as a target for drug design, the example of Tat-TAR
		interaction Curr Top Med Chem Oct 2002 1123-1145 2
	1710	CARMELL, M. A., Z. XUAN, M. Q. ZHANG and G. J. HANNON. The Argonaute family: tentacles that
		reach into RNAi, developmental control, stem cell maintenance, and tumorigenesis. Genes Dev. Nov 1
		2002 2733-2742 16
	1720	PROVOST, P., D. DISHART, J. DOUCET, D. FRENDEWEY, B. SAMUELSSON and O. RADMARK.
		Ribonuclease activity and RNA binding of recombinant human Dicer Embo J Nov 1 2002 5664-5674
		21
	1730	ZHANG, H., F. A. KOLB, V. BRONDANI, E. BILLY and W. FILIPOWICZ. Human Dicer preferentially
		cleaves dsRNAs at their termini without a requirement for ATP Embo J Nov 1 2002 5875-5665 21
	1740	MALLORY, A. C., B. J. REINHART, D. BARTEL, V. B. VANCE and L. H. BOWMAN. A viral suppressor
	1/40	of RNA silencing differentially regulates the accumulation of short interfering RNAs and micro-RNAs in
		tobacco Proc Natl Acad Sci U.S.A. Nov 12 2002 15228-15233 99
	1780	JONES, L. Revealing micro-RNAs in plants Trends Plant Sci Nov 2002 473-475 7
	1790	SCHAUER, S. E., S. E. JACOBSEN, D. W. MEINKE and A. RAY. DICER-LIKE1; blind men and
	1/90	elephants in Arabidopsis development Trends Plant Sci Nov 2002 487-491 7
-	1850	COHEN, O., C. ERB, D. GINZBERG, Y. POLLAK, S. SEIDMAN, S. SHOHAM, R. YIRMIYA and H.
	1000	SOREQ. Neuronal overexpression of "readthrough" acetylcholinesterase is associated with antisense-
		suppressible behavioral impairments Mol Psychiatry ***No date in pubmed*** 2002 874-885 7
		The same of the sa
	1860	MLOTSHWA, S., O. VOINNET, M. F. METTE, M. MATZKE, H. VAUCHERET, S. W. DING, G. PRUSS
		and V. B. VANCE. RNA silencing and the mobile silencing signal. Plant Cell. ""No date in pubmed""
		2002 S289-301 14 Suppl